

COMMUNICATION AND NETWORKING RISER ECR FORM

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ECR# (assigned internally): #002

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Title of the Change: BIOS Action For Illegal AC '97 Codec Plug-and-Play Combinations

Specification Title and Version: CNR Specification, Version 1.0

Reason for Change:

Clarification of the action BIOS must take when an illegal combination of codecs is found on the AC '97 Interface (as requested by Microsoft). Issue is that the language in the specification needs to specifically state that the audio and/or modem function is disabled (due to an illegal AC '97 codec configuration) such that the Operating System does not see the function.

Description of Change:

1. Change the text of Section 6.2.6.2, Step 1a, as shown by the (red) italicized text in the paragraph below.
 - 1a. Disable the modem function of the AC '97 digital controller (*such that it is not visible to the Operating System's PCI Enumerator*).
2. Change the text of Section 6.2.6.2, Step 2a, as shown by the (red) italicized text in the paragraph below.
 - 2a. Disable the audio function of the AC '97 digital controller (*such that it is not visible to the Operating System's PCI Enumerator*).
3. Change the text of Section 6.2.6.2, Step 4a, as shown by the (red) italicized text in the paragraph below.
 - 4a. Disable the modem function of the AC '97 digital controller (*such that it is not visible to the Operating System's PCI Enumerator*).
4. Change the text of Section 6.2.6.2, Step 5a, as shown by the (red) italicized text in the paragraph below.
 - 5a. Disable the audio function of the AC '97 digital controller (*such that it is not visible to the Operating System's PCI Enumerator*).
5. Change the text of Section 6.2.6.2, Step 5b, as shown by the (red) italicized text in the paragraph below.
 - 5b. Disable the modem function of the AC '97 digital controller (*such that it is not visible to the Operating System's PCI Enumerator*).
6. Change the text of Section 6.2.6.2, Step 8a, as shown by the (red) italicized text in the paragraph below.
 - 8a. Disable the audio function of the AC '97 digital controller (*such that it is not visible to the Operating System's PCI Enumerator*).
7. Change the text of Section 6.2.6.2, Step 8b, as shown by the (red) italicized text in the paragraph below.
 - 8b. Disable the modem function of the AC '97 digital controller (*such that it is not visible to the Operating System's PCI Enumerator*).
8. Change the text of Section 6.2.6.2, Step 9a, as shown by the (red) italicized text in the paragraph below.
 - 9a. Disable the modem function of the AC '97 digital controller (*such that it is not visible to the Operating System's PCI Enumerator*).

9. Change the text of Section 6.2.6.2, Step 11a, as shown by the (red) italicized text in the paragraph below.
 - 11a. Disable the modem function of the AC '97 digital controller (*such that it is not visible to the Operating System's PCI Enumerator*).
10. Change the text of Section 6.2.6.2, Step 12a, as shown by the (red) italicized text in the paragraph below.
 - 12a. Disable the modem function of the AC '97 digital controller (*such that it is not visible to the Operating System's PCI Enumerator*).
11. Change the text of Section 6.2.6.3.2, Step 3h, as shown by the (red) italicized text in the paragraph below.
 - 3h. If the two values are not identical, then the BIOS must disable the audio function of the AC '97 *digital* controller (*such that it is not visible to the Operating System's PCI Enumerator*) and place the message “**CNR Multi-Channel Audio Upgrade not compatible with Motherboard. Audio Function has been disabled.**” on the display.

Ratified